

# MEMORANDUM



**Date:** June 5, 2007

**To:** Honorable Chairman Bruno A. Barreiro  
and Members, Board of County Commissioners

**From:** George M. Burgess  
County Manager

Agenda Item No. 8(P)(1)(I)

**Subject:** Recommendation to Reject all Bids and Re-Advertise for People's Transportation Plan (PTP) Reversible Lane Control Signal System Improvement Project Along NW 199 Street, from NW 2 Avenue to NW 27 Avenue - Project No: 20060314 (Formerly 20060042)

## Recommendation

This Request to Reject all Bids and Re-Advertise for Construction Contract No: 20060314 has been prepared by the Public Works Department (PWD) and is recommended for approval.

## Scope

**PROJECT NAME:** PTP Reversible Lane Control Signal System Improvement Project along NW 199 Street, from NW 2 Avenue to NW 27 Avenue

**PROJECT NO:** 20060314 (Formerly 20060042)

**CONTRACT NO:** 20060314

**PROJECT DESCRIPTION:** The contract consists of furnishing all labor, required materials, equipment, tools, transportation, supplies, integration, testing, documentation, and training required to complete the work in accordance with the plans, specifications and technical provisions.

This contract also consists of the removal and replacement of the existing Reversible Lane Control System (RLCS) signals and signs, wiring, and control equipment at each gantry. The installation of new LED Lane Control Signals and new "blank-out" message signs, including installing new controller assemblies with County-specified firmware and new central control equipment with County-specified software. The Contractor shall configure, integrate and test the equipment to provide a fully functional RLCS.

**PROJECT LOCATION:** NW 199 Street, from NW 2 Avenue to NW 27 Avenue

<b>PROJECT SITES:</b>	<b><u>LOCATION</u></b>	<b><u>DIST</u></b>	<b><u>ESTIMATE</u></b>	<b><u>T-S-R</u></b>
	NW 199 ST from NW 2 AVE to NW 27 AVE	1	\$3,072,000.00	52-01-41

**PRIMARY COMMISSION DISTRICT:** District 1 Barbara J. Jordan

**APPROVAL PATH:** Board of County Commissioners

**USING DEPARTMENT:** Public Works Department

**MANAGING DEPARTMENT:** Public Works Department

**Fiscal Impact / Funding Source**

**FUNDING SOURCE:** PTP revenues, including but not limited to the Charter County Transit System Sales Surtax, financing proceeds as listed in Ordinance No. 02-116, provision for implementation of the PTP. This contract, like all PTP contracts, will not be awarded without oversight of the Citizens' Independent Transportation Trust (CITT). Any other applicable funding sources may subsidize this contract.

**PTP FUNDING:** Yes

**GOB FUNDING:** No

<b>CAPITAL BUDGET PROJECT:</b>	<b><u>BUDGET PROJECT / DESCRIPTION</u></b>	<b><u>RTA ESTIMATE</u></b>
	604540 - GRADE SEPARATIONS AND REVERSIBLE FLOW LANES Book Page: 63 Funding Year: 2006-07	<u>\$3,072,000.00</u>

**ESTIMATED CONTRACT PERIOD:** 270 Calendar days

**ESTIMATED CONTINGENCY PERIOD:** 27

**IG FEE INCLUDED IN BASE CONTRACT:** Yes

**ART IN PUBLIC PLACES:** No

**BASE ESTIMATE:** \$2,653,110.00

<b>CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):</b>	<b>TYPE</b>	<b>PERCENT</b>	<b>AMOUNT</b>	<b>COMMENT</b>
	Infrastructure	10%	\$265,310.00	

**PERMIT FEES :** \$4,000.00 0.00%

**FPL ALLOWANCES :** \$1,480.00 0.00%

**MAINTENANCE OF TRAFFIC :** \$53,100.00 0.00%

**OFF DUTY LAW ENFORCEMENT OFFICER :** \$24,000.00 0.00%

**MOBILIZATION :** \$71,000.00 0.00%

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**TOTAL DEDICATED ALLOWANCE:** \$153,580.00  
**COST ESTIMATE:** \$3,072,000.00

**Track Record / Monitor**

**EXPLANATION:** Not applicable - will be provided at the time of award.

**MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS:** No

**REVIEW COMMITTEE:** **MEETING DATE:** 11/29/2006 **SIGNOFF DATE:** 12/13/2006

**RESPONSIBLE WAGES:** Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	MEASURE GOAL	COMMENT
	CSBE 0.00% No Measures	
	CWF 10.00%	

**MANDATORY CLEARING HOUSE:** Yes

**CONTRACT MANAGER NAME/PHONE/EMAIL:** Michael Moore (305) 375-2093 jmc1@miamidade.gov


**PROJECT MANAGER NAME/PHONE/EMAIL:** Oscar Rubio (305) 592-8925 opr@miamidade.gov

**Background**


This was the second attempt by the Department to advertise this project. No bids were received on the previous Project No. 20060042. Therefore, in order to establish participation PWD scheduled an industry meeting held on September 29, 2006. One of the major issues raised by the industry at the meeting was the disparity in what the design consultant believed to be the estimate (\$2,397,522.21) and what was indicated by the industry. Given that there were no other recent projects that consisted of that type of work, it was difficult for the design consultant to formulate a comparable estimate. From the meeting it became clear that this specialized work was much more costly than what was originally estimated.

For the second advertisement, on February 2, 2007, two (2) engineering firms proffered bids for the referenced project. The lowest bidder's price from Trans Tech Electric, Inc. was 17% over the County's estimate (\$3,072,000.00). The second lowest bidder, Horsepower Electric, Inc., was 75% over the lowest bidder. However, the low bidder's bid was deemed as non-responsive because the firm failed to fill out the bid form completely. Subsequently, the only other responsive, responsible bid received was 92% over the estimate. Therefore, PWD recommends rejection of all bids received and approval to re-advertise this project under Project No. 20070587.

BUDGET APPROVAL  
FUNDS AVAILABLE:

  
OSBM DIRECTOR  
CPEPTP100RFL  
3-30-07  
DATE  
3/13/07  
2/22/07  
2/26/07  
3-30-07  
DATE

APPROVED AS TO  
LEGAL SUFFICIENCY:

  
ASSISTANT COUNTY  
MANAGER  
4-24-07  
DATE



# MEMORANDUM

(Revised)

**TO:** Honorable Chairman Bruno A. Barreiro  
and Members, Board of County Commissioners

**DATE:** June 5, 2007

**FROM:** Murray A. Greenberg  
County Attorney

**SUBJECT:** Agenda Item No. 8(P)(1)(I)

Please note any items checked.

- ☐ "4-Day Rule" ("3-Day Rule" for committees) applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Bid waiver requiring County Manager's written recommendation
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ Housekeeping item (no policy decision required)
- ☐ No committee review

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 8 (P) (1) (I)  
06-05-07

RESOLUTION NO. \_\_\_\_\_

RESOLUTION APPROVING A RECOMMENDATION TO REJECT ALL BIDS AND RE-ADVERTISE FOR MIAMI-DADE COUNTY PROJECT ENTITLED PEOPLE'S TRANSPORTATION PLAN (PTP) REVERSIBLE LANE CONTROL SIGNAL SYSTEM IMPROVEMENT PROJECT ALONG NW 199 STREET, FROM NW 2 AVENUE TO NW 27 AVENUE, LOCATED WITHIN COMMISSION DISTRICT 1 (PROJECT NO. 20060314)

**WHEREAS**, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board approves the Project Recommendation to Reject all Bids and Re-Advertise for Miami-Dade County Project Entitled People's Transportation Plan (PTP) Reversible Lane Control Signal System Improvement Project Along NW 199 Street, from NW 2 Avenue to NW 27 Avenue, located within Commission District 1 (Project No. 20060314) in substantially the form attached hereto and made a part hereof.

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The foregoing resolution was offered by Commissioner  
who moved its adoption. The motion was seconded by Commissioner  
and upon being put to a vote, the vote was as follows:

Bruno A. Barreiro, Chairman	
Barbara J. Jordan, Vice-Chairwoman	
Jose "Pepe" Diaz	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Joe A. Martinez	Dennis C. Moss
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 5th day of June, 2007. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF COUNTY  
COMMISSIONERS

HARVEY RUVIN, CLERK

By: \_\_\_\_\_  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency. *B.L.*

Bruce Libhaber

# BID SUMMARY SHEET

PROJECT NUMBER: 20060314

PWD CSS ENG: Bernard Philippeaux

BID VALIDITY: ☐ 120 ☐ 180  
(Select One)

BID SUBMITTAL DUE DATE: February 21, 2007

BID OPENING DATE: February 21, 2007

PROJECT NAME: Reversible Lane Control Signal

COST ESTIMATE: \$3,071,842.00

CSBE CONTRACT MEASURE: Not Applicable

CWP CONTRACT MEASURE: 10% CWP

ADDENDUM (No. issued): 0

REQUEST FOR INFORMATION (No. issued): 1

BIDDERS		Apparent Low Bidder Position	CSBE SCHEDULE OF INTENT (✓)	PROFFERED BID (US MONIES)	Remarks
Firm	Telephone No.				

Control Technologies 407-330-2800				
Horsepower Electric, Inc. 305-819-4060			6,269,269. <sup>00</sup> Pr	
Precision Contracting Services, Inc. 561-743-9737				
Signal Technology, Inc. 954-327-2434				
Skyline Products 719-392-9046				
Trans Tech Electric, Inc. 407-321-5901			3,580,000. <sup>00</sup> Pr	
Under Power Corp. 305-468-9900				

# Bid Form

PROJECT TITLE: Reversible Lane Control Signal System Improvement

PROJECT NO: 20060314

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
102-61	3.00	EA.	BUSINESS SIGNS (Temporary, Post Mounted)			
555-1-1	13,770.00	L.F.	DIRECTIONAL BORE < 6"			
620-1-1	1,610.00	L.F.	GROUNDING ELECTRODE			
630-1-11	455.00	L.F.	CONDUIT 2-INCH PVC (ABOVE GROUND)			
630-1-12	505.00	L.F.	CONDUIT 2" PVC, UNDERGROUND			
630-1-13	1,345.00	L.F.	CONDUIT 2" PVC UNDER PAVEMENT (This item is contingent upon field conditions and may be increased, decrease or eliminated by the Engineer)			
632-7-1	22.00	P.L.	TRAFFIC CONTROL CABLE			
635-1-11E	18.00	EA.	PULL BOX, METER TYPE (Polymer)			
639-1-13C	24.00	AS.	ELECTRICAL POWER SERVICE (Overhead)			
639-2-1F	12,510.00	L.F.	SERVICE WIRE [(#6 AWG with (THHN) insulation) (Three conductor set (Black, White and Green))]			
641-12-112	10.00	EA	PRESTRESSED CONCRETE POLES (F & I) (Type N-III service Pole)			
650-51-113	8.00	AS.	TRAFFIC SIGNAL (Furnish and Install) (1 SECTION, 1 WAY), (Complete with horizontal mounting brackets and lamps) (LED)			
671-2-22	2.00	EA	TRAFFIC CONTROLLER (Furnish) (Model 170)			
671-2-42	1.00	EA	TRAFFIC CONTROLLER (Modify) (Model 170)			
672-1-1A	10.00	AS.	RLCS FIELD LOCAL CONTROLLER ASSEMBLY - Type MD-660			
672-1-1B	13.00	AS.	RLCS FIELD LOCAL CONTROLLER ASSEMBLY - Type MD-552			
672-1-2A	1.00	AS.	RLCS Field Local Controller Assembly - Type MD-660(F)			

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Bidder must fill-in completely the next page for the bid to be valid.

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# Bid Form

PROJECT TITLE Reversible Lane Control Signal System Improvement

PROJECT NO: 20060314

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Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
679-01	2.00	EA	RLCS PORTABLE FIELD TERMINAL AND ANALYSIS UNIT (Terminal)			
679-02	1.00	EA.	RLCS PORTABLE FIELD TERMINAL AND ANALYSIS UNIT (Analysis) Platform			
681-01	1.00	L.S.	RLCS CENTRAL CONTROL SOFTWARE			
690-10	330.00	EA.	REMOVE TRAFFIC SIGNAL HEAD ASSEMBLY			
690-50	23.00	EA.	REMOVE CONTROLLER ASSEMBLY			
690-90	23.00	P.I.	REMOVE CABLE AND CONDUIT			
690-91	12,865.00	L.F.	SIGNAL INTERCONNECT CABLE, REMOVE			
690-100	22.00	P.I.	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT			
690-200	6.00	EA.	PULL BOX REMOVAL			
700-40-1-S	11.00	AS.	SIGN, SINGLE POST (LESS THAN 12 S.F.)			
700-46-13	4.00	AS.	SIGN EXISTING (Remove) (Overhead Truss)			
700-46-11A	11.00	AS.	REMOVE EXISTING SINGLE POST SIGN			
700-48-12	4.00	EA.	SIGN PANELS (F & I) (101 - 200)			
700-48-18	6.00	EA.	SIGN PANEL (LESS THAN 15 SF.)			
700-48-60B	6.00	EA.	REMOVAL OF SIGN PANEL			
700-89-2	29.00	AS.	SIGN, ELECTRIC POWERED (Blank -Out)			
700-89-11A	196.00	AS.	SIGN, ELECTRIC POWERED, Type A			
700-89-11B	76.00	AS.	SIGN, ELECTRIC POWERED (Special), Type B			
711-11-241	1,640.00	L.F.	THERMOPLASTIC (Yellow) (Skip) (6")			

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Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
711-17	2,309.00	S.F.	Removal of existing thermoplastic pavement markings			
750-80	2.00	L.S.	TELEPHONE SERVICE			
782-1-11	6.00	EA.	ITS CCTV CAMERA (F&I) (DOME ENCLOSURE)			
782-1-15	6.00	EA.	ITS CCTV CAMERA (F&I) (CAMERA BRACKET ASSEMBLY)			
782-1-21	1.00	EA.	ITS CCTV Camera (F) (Dome Enclosure)			
782-2-131	3.00	EA.	ITS VIDEO DISPLAY (F&I) (MONITOR) (LCD)			
783-1-121	550.00	L.F.	SINGLE MODE FIBER OPTIC CABLE, 12 STRAND, (F&I)			
783-1-122	14,055.00	L.F.	SINGLE MODE FIBER OPTIC CABLE, 36 STRAND, (F&I)			
783-2-31	94.00	EA.	ITS FIBER OPTIC CONNECTION (I) (SPlice) (FUSION)			
783-2-32	23.00	EA.	ITS FIBER OPTIC CONNECTION (I) (TERMINATION)			
783-3-11	23.00	EA.	ITS FIBER OPTIC CONNECTION HARDWARE (F&I) (SPlice CLOSURE)			
783-3-21	2.00	EA.	ITS FIBER OPTIC CONNECTION HARDWARE (F) (SPlice CLOSURE)			
783-5-1	9.00	EA.	ITS PULL BOX (24" X 36")			
783-6-1	23.00	EA.	ITS SPlice BOX (24" X 36")			
784-1-1	23.00	EA.	ITS MANAGED FIELD ETHERNET SWITCH (LAYER 2 SWITCH) (F&I)			
784-1-1-A	3.00	EA.	ITS HARDENED ETHERNET ROUTER (LAYER 3 SWITCH)			
784-1-2	2.00	EA.	ITS Managed Field Ethernet Switch (Layer 2 Switch) (F)			

# Bid Form

PROJECT TITLE: Reversible Lane Control Signal System Improvement

PROJECT NO: 20060314

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Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
784-1-2-A	1.00	EA	ITS Hardened Ethernet Router (Layer 3 Switch) (F)			
784-3-11	6.00	EA.	ITS VIDEO ENCODER WITH SOFTWARE DECODER (F&I) (HARDENED ENCODER)			
784-3-21	2.00	EA	ITS Video Encoder with Software Decoder (F) (Hardened Encoder)			
784-4-11	6.00	EA.	ITS DIGITAL VIDEO DECODER (F&I) (HARDWARE-BASED DECODER)			
784-4-21	2.00	EA.	ITS Digital Video Decoder (F) (Hardware-Based Decoder)			
<b>SUB-TOTAL \$</b>						
999	1.00	L.S.	CONTINGENCY FUND (10% OF SUBTOTAL AMOUNT)			
101.1	1.00	L.S.	MOBILIZATION	SEVENTY THOUSAND NINE HUNDRED NINETY TWO DOLLARS AND ZERO CENTS	\$70,992.00	\$70,992.00
102-10A	1.00	L.S.	OFF-DUTY LAW ENFORCEMENT OFFICER	TWENTY FOUR THOUSAND DOLLARS AND ZERO CENTS	\$24,000.00	\$24,000.00
102-1M	1.00	L.S.	MAINTENANCE OF TRAFFIC (Including traffic cones, temporary signs, flag men, etc.) (Shall not exceed 2% of Contract Sub-total Amount)			
800-6	10.00	L.S.	FPL CONNECTION ALLOWANCE	ONE HUNDRED FORTY EIGHT DOLLARS AND ZERO CENTS	\$148.00	\$1,480.00
990	1.00	L.S.	ALLOWANCE-PERMITS	FOUR THOUSAND DOLLARS AND ZERO CENTS	\$4,000.00	\$4,000.00

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Bidder must fill-in completely the next page for the bid to be valid.

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# Bid Form

PROJECT TITLE Reversible Lane Control Signal System Improvement

PROJECT NO: 20060314

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

Grand Total: \$ 3,580,000.00

The bidder understands and agrees that the above grand total is inclusive of all work necessary to complete the job as described in the plans and specifications.

Quantities are established and are included only for the purpose of facilitating the uniform comparison of bids submitted. The County shall not be held responsible if the quantities are not accurate and all computations for compensation shall be based upon the actual work performed, whether greater or less than estimated quantities.

Tax Identification Number: 35-1553093

D.C. Certificate of competency No: 065612376

Bidder's Name: TRANS TECH ELECTRIC LP

Bidder's telephone Number: 407-321-5901

Bidder's address: 4380 ST JOHN'S PARKWAY #140, SANFORD, FLA 32771

# Bid Form

PROJECT TITLE Reversible Lane Control Signal System Improvement

PROJECT NO: 20060314

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

BIDDER ACKNOWLEDGES THAT INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL AND IN THE TOTAL BID PRICE ARE COSTS FOR COMPLYING WITH THE FLORIDA TRENCH SAFETY ACT (90-96), LAWS OF FLA. EFFECTIVE OCTOBER 1st, 1990. THE BIDDER FURTHER IDENTIFIES THE COSTS TO BE SUMMARIZED BELOW:

	Trench Safety Measure (Description)	Units of Measure (LF, SY)	Unit (Quantity)	Unit Cost	Extended Cost
A.			N/A		
B.					
C.					
D.					

TOTAL \$ \_\_\_\_\_

FAILURE TO COMPLETE THE ABOVE MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE

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IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
102-61	3.00	EA.	BUSINESS SIGNS (Temporary, Post Mounted)	Five hundred	500	1,500
555-1-1	13,770.00	L.F.	DIRECTIONAL BORE < 6"	twenty-two	22	302,940
620-1-1	1,610.00	L.F.	GROUNDING ELECTRODE	eight	8	12,880
630-1-11	455.00	L.F.	CONDUIT 2-INCH PVC (ABOVE GROUND)	eight	8	3,640
630-1-12	505.00	L.F.	CONDUIT 2" PVC, UNDERGROUND	twenty	20	10,100
630-1-13	1,345.00	L.F.	CONDUIT 2" PVC UNDER PAVEMENT (This item is contingent upon field conditions and may be increased, decrease or eliminated by the Engineer)	twenty	20	26,900
632-7-1	22.00	P.L	TRAFFIC CONTROL CABLE <del>thousand</del>	<del>SEVENTY NINE</del> FIVE HUNDRED	79,500	1,749,000
635-1-11E	18.00	EA.	PULL BOX, METER TYPE (Polymer)	twelve hund	1,200	21,600
639-1-13C	24.00	AS.	ELETRICAL POWER SERVICE (Overhead)	thirty five hund	3,500	84,000
639-2-1F	12,510.00	L.F.	SERVICE WIRE [(#6 AWG with (THHN) insulation) (Three conductor set (Black, White and Green))]	FIVE	5	62,550
641-12-112	10.00	EA	PRESTRESSED CONCRETE POLES (F & I) (Type N-III service Pole)	FIVE HUND	500	5,000
650-51-113	8.00	AS.	TRAFFIC SIGNAL (Furnish and Install) (1 SECTION, 1 WAY), (Complete with horizontal mounting brackets and lamps) (LED)	ONE THOUSAND	1,000	8,000
671-2-22	2.00	EA	TRAFFIC CONTROLLER (Furnish) (Model 170)	SIXTEN THOOS. FIVE HUND	16,500	33,000
671-2-42	1.00	EA	TRAFFIC CONTROLLER (Modify) (Model 170)	FIVE THOOS.	5,000	5,000
672-1-1A	10.00	AS.	RLCS FIELD LOCAL CONTROLLER ASSEMBLY - Type MD-660	twenty five THOUSAND	25,000	250,000
672-1-1B	13.00	AS.	RLCS FIELD LOCAL CONTROLLER ASSEMBLY - Type MD-552	Twenty two THOUSAND FIVE HUND	22,500	292,500
672-1-2A	1.00	AS.	RLCS Field Local Controller Assembly - Type MD-660(F)	SIXTEN THOUSAND TWO HUND.	16,500	16,500

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IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE \*NOTICE TO PROCEED WITH CONTRACT WORK\*.

Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
679-01	2.00	EA	RLCS PORTABLE FIELD TERMINAL AND ANALYSIS UNIT (Terminal)	FIVE THOUSAND SEVEN HUNDRED FIFTY	5,750	11,500
679-02	1.00	EA.	RLCS PORTABLE FIELD TERMINAL AND ANALYSIS UNIT (Analysis) Platform	FIFTEEN THOUSAND	15,000	15,000
681-01	1.00	L.S.	RLCS CENTRAL CONTROL SOFTWARE	TWO HUNDRED THIRTY FIVE THOUSAND	235,000	235,000
690-10	330.00	EA.	REMOVE TRAFFIC SIGNAL HEAD ASSEMBLY	ONE HUNDRED	100	33,000
690-50	23.00	EA.	REMOVE CONTROLLER ASSEMBLY	SIX HUNDRED	600	13,800
690-90	23.00	P.I.	REMOVE CABLE AND CONDUIT	ONE THOUSAND	1,000	23,000
690-91	12,865.00	L.F.	SIGNAL INTERCONNECT CABLE, REMOVE	ONE DOLLAR AND FIFTY CENTS	1.50	19,297.50
690-100	22.00	P.I.	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT	ONE THOUSAND	1,000	22,000
690-200	6.00	EA.	PULL BOX REMOVAL	THREE HUNDRED FIFTY	350	2,100
700-40-1-S	11.00	AS.	SIGN, SINGLE POST (LESS THAN 12 S.F.)	SIX HUNDRED FIFTY	650	7,150
700-46-13	4.00	AS.	SIGN EXISTING (Remove) (Overhead Truss)	ONE THOUSAND FIVE HUNDRED	1,500	6,000
700-46-11A	11.00	AS.	REMOVE EXISTING SINGLE POST SIGN	TWO HUNDRED	200	2,200
700-48-12	4.00	EA.	SIGN PANELS (F & I) (101 - 200)	FOUR THOUSAND FIVE HUNDRED	4,500	18,000
700-48-18	6.00	EA.	SIGN PANEL (LESS THAN 15 SF.)	FIVE HUNDRED SEVENTY FIVE	575	3,450
700-48-60B	6.00	EA.	REMOVAL OF SIGN PANEL	THREE HUNDRED FIFTY	350	2,100
700-89-2	29.00	AS.	SIGN, ELECTRIC POWERED (Blank -Out)	SEVEN THOUSAND	7,000	203,000
700-89-11A	196.00	AS.	SIGN, ELECTRIC POWERED, Type A	THREE THOUSAND	3,000	588,000
700-89-11B	76.00	AS.	SIGN, ELECTRIC POWERED (Special), Type B	SEVEN THOUSAND	7,000	532,000
711-11-241	1,640.00	L.F.	THERMOPLASTIC (Yellow) (Skip) (6")	ONE	1	1,640

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
711-17	2,309.00	S.F.	Removal of existing thermoplastic pavement markings	THREE	3	6,927
750-80	2.00	L.S.	TELEPHONE SERVICE	ONE THOUSAND FIVE HUNDRED	1,500	3,000
782-1-11	6.00	EA.	ITS CCTV CAMERA (F&I) (DOME ENCLOSURE)	SIXTEEN THOUSAND FIVE HUNDRED	16,500	99,000
782-1-15	6.00	EA.	ITS CCTV CAMERA (F&I) (CAMERA BRACKET ASSEMBLY)	FOUR THOUSAND FIVE HUNDRED	4,500	27,000
782-1-21	1.00	EA.	ITS CCTV Camera (F) (Dome Enclosure)	TEN THOUSAND FIVE HUNDRED	10,500	10,500
782-2-131	3.00	EA.	ITS VIDEO DISPLAY (F&I) (MONITOR) (LCD)	TWELVE THOUSAND FIVE HUNDRED THIRTY FIVE	12,535	37,605
783-1-121	550.00	L.F.	SINGLE MODE FIBER OPTIC CABLE, 12 STAND. (F&I)	FOUR	4	2,200
783-1-122	14,055.00	L.F.	SINGLE MODE FIBER OPTIC CABLE, 36 STRAND, (F&I)	FOUR	4	56,220
783-2-31	94.00	EA.	ITS FIBER OPTIC CONNECTION (I) (SPlice) (FUSION)	TWO HUNDRED FIFTY	250	23,500
783-2-32	23.00	EA.	ITS FIBER OPTIC CONNECTION (I) (TERMINATION)	THREE THOUSAND FIVE HUNDRED	3,500	80,500
783-3-11	23.00	EA.	ITS FIBER OPTIC CONNECTION HARDWARE (F&I) (SPlice CLOSURE)	FOUR THOUSAND FIVE HUNDRED	4,500	103,500
783-3-21	2.00	EA.	ITS FIBER OPTIC CONNECTION HARDWARE (F) (SPlice CLOSURE)	ONE THOUSAND TWO HUNDRED FIFTY	1,250	2,500
783-5-1	9.00	EA.	ITS PULL BOX (24" X 36")	ONE THOUSAND SIX HUNDRED	1,600	14,400
783-6-1	23.00	EA.	ITS SPlice BOX (24" X 36")	ONE THOUSAND SIX HUNDRED	1,600	36,800
784-1-1	23.00	EA.	ITS MANAGED FIELD ETHERNET SWITCH (LAYER 2 SWITCH) (F&I)	SEVEN THOUSAND FIVE HUNDRED EIGHTY	7,580	174,340
784-1-1-A	3.00	EA.	ITS HARDENED ETHERNET ROUTER (LAYER 3 SWITCH)	TWENTY THREE THOUSAND EIGHT HUNDRED SEVENTY EIGHT	23,878	71,634
784-1-2	2.00	EA.	ITS Managed Field Ethernet Switch (Layer 2 Switch) (F)	FIVE THOUSAND TWO HUNDRED FIFTY	5,250	10,500

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

Item Number	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
784-1-2-A	1.00	EA	ITS Hardened Ethernet Router (Layer 3 Switch) (F)	Eleven thousand 11,500	11,500	11,500
784-3-11	6.00	EA	ITS VIDEO ENCODER WITH SOFTWARE DECODER (F&I) (HARDENED ENCODER)	thirteen thousand four hundred Fifty-Six	13,456	80,736
784-3-21	2.00	EA	ITS Video Encoder with Software Decoder (F) (Hardened Encoder)	Seven thousand Five hundred Twenty-Eight	7,598	15,196
784-4-11	6.00	EA	ITS DIGITAL VIDEO DECODER (F&I) (HARDWARE-BASED DECODER)	twelve thousand Eight hundred ninety-Seven	12,897	77,382
784-4-21	2.00	EA	ITS Digital Video Decoder (F) (Hardware-Based Decoder)	Eight thousand thousand Five Hundred	8,500	17,000
SUB-TOTAL \$ 5,585,287.50						
999	1.00	L.S.	CONTINGENCY FUND (10% OF SUBTOTAL AMOUNT)	Five Hundred Fifty-eight thousand Five Hundred twenty-nine	558,529	558,529
101.1	1.00	L.S.	MOBILIZATION	SEVENTY THOUSAND NINE HUNDRED NINETY TWO DOLLARS AND ZERO CENTS	\$70,992.00	\$70,992.00
102-10A	1.00	L.S.	OFF-DUTY LAW ENFORCEMENT OFFICER	TWENTY FOUR THOUSAND DOLLARS AND ZERO CENTS	\$24,000.00	\$24,000.00
102-1M	1.00	L.S.	MAINTENANCE OF TRAFFIC (Including traffic cones, temporary signs, flag men, etc.) (Shall not exceed 2% of Contract Sub-total Amount)	twenty four thousand five hundred eighty cents	24,980.50	24,980.50
800-6	10.00	L.S.	FPL CONNECTION ALLOWANCE	ONE HUNDRED FORTY EIGHT DOLLARS AND ZERO CENTS	\$148.00	\$1,480.00
990	1.00	L.S.	ALLOWANCE-PERMITS	FOUR THOUSAND DOLLARS AND ZERO CENTS	\$4,000.00	\$4,000.00

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

Grand Total: 6,269,269.00

The bidder understands and agrees that the above grand total is inclusive of all work necessary to complete the job as described in the plans and specifications.

Quantities are established and are included only for the purpose of facilitating the uniform comparison of bids submitted. The County shall not be held responsible if the quantities are not accurate and all computations for compensation shall be based upon the actual work performed, whether greater or less than estimated quantities.

Tax Identification Number: 592502221

D.C. Certificate of competency No: 17071 / EC0001153

Bidder's Name: Horsepower ELECTRIC, INC

Bidder's telephone Number: 305 819 4060

Bidder's address: 8105 W 20 AVE HIALEAH FL 33014

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN TWO HUNDRED SEVENTY (270) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE "NOTICE TO PROCEED WITH CONTRACT WORK".

BIDDER ACKNOWLEDGES THAT INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL AND IN THE TOTAL BID PRICE ARE COSTS FOR COMPLYING WITH THE FLORIDA TRENCH SAFETY ACT (90-96), LAWS OF FLA. EFFECTIVE OCTOBER 1st, 1990. THE BIDDER FURTHER IDENTIFIES THE COSTS TO BE SUMMARIZED BELOW:

Trench Safety Measure (Description)	Units of Measure (LF, SY)	Unit (Quantity)	Unit Cost	Extended Cost
A.	NA			
B.				
C.				
D.				

TOTAL \$ \_\_\_\_\_

FAILURE TO COMPLETE THE ABOVE MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE

# MEMORANDUM



**Date:** 11/16/2006

**To:** George M. Burgess  
County Manager

**Attn:** Roger T. Hernstadt  
Director  
Office of Capital Improvements

**From:** Esther L. Calas, P.E.  
Director  
Public Works Department

CLERK OF THE BOARD  
2007 JAN -5 PM 4:16  
CLERK, COUNTY & COUNTY COURTS  
DADE COUNTY, FLA.  
MI

**Subject:** Request to Advertise for People's Transportation Plan (PTP) Reversible Lane Control Signal System Improvement Project at N.W. 199 Street from N.W. 2 Avenue to N.W. 27 Avenue (Project No: 20060314 PTP; Contract No: 20060314)

This Request to Advertise for a PTP Construction Bids has been prepared by the Public Works Department (PWD) and is recommended for approval pursuant to Sections 2-8.1 of the Code of Miami-Dade County.

**PROJECT NAME:** PTP Reversible Lane Control Signal System Improvement Project at N.W. 199 Street, from N.W. 2 Avenue to N.W. 27 Avenue

**PROJECT NO:** 20060314 PTP (Formerly 20060042)

**CONTRACT NO:** 20060314

**PROJECT DESCRIPTION:** The contract consists of furnishing all labor, required materials, equipment, tools, transportation, supplies, integration, testing, documentation, and training required to complete the work in accordance with the plans, specifications and technical provisions.

This contract also consists of the removal and replacement of the existing Reversible Lane Control System (RLCS) signals and signs, wiring, and control equipment at each gantry. The installation of new LED Lane Control Signals and new "blank-out" message signs, including installing new controller assemblies with County-specified firmware and new central control equipment with County-specified software. The Contractor shall configure, integrate and test the equipment to provide a fully functional RLCS.

**PROJECT LOCATION:** N.W. 199 Street, from N.W. 2 Avenue to N.W. 27 Avenue

**PROJECT SITES:**

**LOCATION**

**DIST ESTIMATE T-S-R**

NW 199TH ST from NW 2ND AVE to NW 27 AVE 1 \$3,072,000.00 52-01-41

**PRIMARY COMMISSION  
DISTRICT:**

District 1W 5 - Barbara J. Jordan

RECEIVED

RECEIVED

**APPROVAL PATH:** Expedite

**USING DEPARTMENT:** Public Works Department

**MANAGING DEPARTMENT:** Public Works Department

**FUNDING SOURCE:** PTP revenues, including but not limited to the Charter County Transit System Sales Surtax, financing proceeds as listed in Ordinance No. 02-116, provision for implementation of the PTP. This contract, like all PTP contracts, will not be awarded without oversight of the Citizens' Independent Transportation Trust (CITT). Any other applicable funding sources may subsidize this contract.

**PTP FUNDING:** Yes

**GOB FUNDING:** No

**CAPITAL BUDGET  
PROJECT:**

**BUDGET PROJECT / DESCRIPTION**

**RTA  
ESTIMATE**

604540 - GRADE SEPARATIONS AND REVERSIBLE FLOW  
LANES

\$3,072,000.00

Book Page:63 Funding Year: 2006-07

**ESTIMATED CONTRACT  
PERIOD:** 270 Calendar days

**ESTIMATED CONTINGENCY  
PERIOD:** 27

**IG FEE INCLUDED IN BASE  
CONTRACT:** Yes

**ART IN PUBLIC PLACES:** No

**BASE ESTIMATE:** \$2,653,110.00

CONTINGENCY ALLOWANCE (SECTION 2- 8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Infrastructure	10%	\$265,310.00	

PERMIT FEES :	\$4,000.00	0.00%
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FPL ALLOWANCES :	\$1,480.00	0.00%
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MAINTENANCE OF TRAFFIC :	\$53,100.00	0.00%
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OFF DUTY LAW ENFORCEMENT OFFICER :	\$24,000.00	0.00%
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MOBILIZATION :	\$71,000.00	0.00%
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**TOTAL DEDICATED ALLOWANCE:** \$153,580.00  
**COST ESTIMATE:** \$3,072,000.00

**EXPLANATION:** No bids were received on the previous contract Project No. 20060042 for RLCS. This is the Department's second attempt in advertising this project. In order to establish participation PWD scheduled an industry meeting held on September 29, 2006 to gather input. One of the major issues was the disparity in what the consultant believed to be the estimate and what was indicated by the industry. From the meeting it became clear that this specialized work was much more costly than what was originally estimated. Therefore, PWD is requesting approval of this RTA in order to solicit new bids.

**MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS:** No

**REVIEW COMMITTEE:** **MEETING DATE:** 11/29/2006 **SIGNOFF DATE:** 12/13/2006

**RESPONSIBLE WAGES:** Yes

<b>REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:</b>	<b>MEASURE GOAL</b>	<b>COMMENT</b>
	CSBE 0.00% No Measures	
	CBE 0.00% Not Applicable	
	DBE 0.00% Not Applicable	
	CWF 10.00%	

**MANDATORY CLEARING HOUSE:** Yes

<b>TECHNICAL CONTACT NAME/PHONE/EMAIL:</b>	Octavio Marin	(305) 375-1306	ocm@miamidade.gov
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<b>DEPARTMENTAL CONTACT NAME/PHONE/EMAIL:</b>	Michael Moore	(305) 375-2093	jmc1@miamidade.gov
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DEPARTMENT FINANCE:

Obolugba 11/16/06  
DEPT FINANCE OFFICER: DATE:

INDEX CODES:

CPEPTP100RFL.

PTP 11-9-06  
Red 11/14/06  
AB 11/13/06

BUDGET APPROVAL  
FUNDS AVAILABLE:

[Signature] 11-14-06  
OSBM DIRECTOR: DATE:

CAPITAL  
IMPROVEMENTS  
CONCURRENCE:

[Signature] 010406  
OCI DIRECTOR: DATE:

APPROVED PURSUANT  
TO SECTION 2-8.1 OF  
THE MIAMI DADE  
COUNTY CODE:

[Signature] 1/3/07  
COUNTY MANAGER: DATE:

CLERK DATE:

\_\_\_\_\_  
DATE:

STRATEGIC AREA: Transportation  
DEPARTMENT: Public Works

\*\*\*\*\* FUNDED PROJECTS \*\*\*\*\*  
(dollars in thousands)

**CONSTRUCTION OF NW 97 AVENUE BRIDGE**

DESCRIPTION: Construct a new four lane bridge with approaches

LOCATION: NW 97 Ave over State Road 836  
Unincorporated Miami-Dade County

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: 12, 13  
DISTRICT(s) SERVED: 12, 13

PROJECT # 6038251

**REVENUE SCHEDULE:**

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Financing Proceeds	19,555	0	0	0	0	0	0	0	19,555

<b>TOTAL REVENUE:</b>	<b>19,555</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,555</b>
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**EXPENDITURE SCHEDULE:**

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	1,825	0	0	0	0	0	0	0	1,825
Construction	7,830	1,100	1,100	1,100	1,100	1,100	1,100	3,300	17,730

<b>TOTAL EXPENDITURES:</b>	<b>9,655</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>3,300</b>	<b>19,555</b>
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**CONSTRUCTION OF OLD CUTLER ROAD BRIDGE OVER C-100 CANAL**

PROJECT # 608290

DESCRIPTION: Upgrade bridge parapet walls and replace or modify existing structure to safely convey vehicular, pedestrian, and bicycle traffic

LOCATION: Old Cutler Rd and SW 173 St  
Palmetto Bay

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: 8  
DISTRICT(s) SERVED: 8, 9

**REVENUE SCHEDULE:**

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Building Better Communities GOB Program	180	0	1,620	0	0	0	0	0	1,800

<b>TOTAL REVENUE:</b>	<b>180</b>	<b>0</b>	<b>1,620</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,800</b>
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**EXPENDITURE SCHEDULE:**

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	180	0	0	0	0	0	0	180
Construction	0	0	1,620	0	0	0	0	0	1,620

<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>180</b>	<b>1,620</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,800</b>
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**GRADE SEPARATIONS**

DESCRIPTION: Design and construct grade separations at various intersections Countywide

LOCATION: Countywide  
Countywide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: Countywide  
DISTRICT(s) SERVED: Countywide

PROJECT # 604540

**REVENUE SCHEDULE:**

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
People's Transportation Plan Bond Program	0	0	0	6,000	6,000	6,000	6,000	6,000	30,000

<b>TOTAL REVENUE:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>30,000</b>
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**EXPENDITURE SCHEDULE:**

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	0	0	3,000	0	0	0	0	3,000
Construction	0	0	0	3,000	6,000	6,000	6,000	6,000	27,000

<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>30,000</b>
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*Dave:*  
*What Budget Proj. # do I use?*  
*or do I use the second Budget hearing memo*

*Use this*

*25*

Project/Contract Title: REVERSIBLE LANE CONTROL SYSTEM IMPROVEMENT (FORMERLY PROJECT# 20060042) (SIC 17) RC Date: 11/29/2006  
Project/Contract No: 20060314 Funding Source: Item No: 3-02  
Department: PUBLIC WORKS DEPARTMENT PTP Resubmittal Date(s): 05/03/2006  
Estimated Cost of Project/Bid: \$3,071,842.00  
Description of Project/Bid: TO ESTABLISH A CONTRACT TO FURNISH ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, INTEGRATION, TESTING, DOCUMENTATION, AND TRAINING REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND TECHNICAL PROVISIONS AND PERFORMING ALL OPERATIONS NECESSARY FOR THE REVERSIBLE LANE IMPROVEMENT.

**Contract Measures Recommendation**

Measure	Program	Goal Percent
No Measure	CSBE	0.00%
Workforce Goal	CWP	10.00%

**Reasons for Recommendation**

An analysis of the trades required for this contract, as well as an analysis of the availability of CSBEs revealed insufficient availability.

Reason for resubmittal: Estimate increased from \$2,400,000 to \$3,071,842; Project Number changed from 20060042 to 20060314.

The Designated Target Areas applicable for this project are Central Enterprise Zone and Norland CDBG.

CWP Estimated Workforce: 4

CWP Workforce Recommendation: 1

CWP Designated Target Areas: Enterprise Zones, CDBG Eligible Block Groups

**Analysis for Recommendation of a Goal**

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
	CSBE	\$0.00	0.00%	0
Total		\$0.00	0.00%	

Living Wages: YES ☐ NO ☐ Highway: YES ☒ NO ☐ Heavy Construction: YES ☐ NO ☒  
Responsible Wages: YES ☒ NO ☐ Building: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

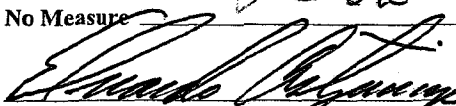
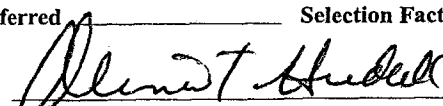
**REVIEW COMMITTEE RECOMMENDATION**

Tier 1 Set Aside \_\_\_\_\_

Set Aside \_\_\_\_\_ Level 1 \_\_\_\_\_ Level 2 \_\_\_\_\_ Level 3 \_\_\_\_\_

Trade Set Aside (MCC) \_\_\_\_\_ Goal 10% CWP Bid Preference \_\_\_\_\_

No Measure ☒ CSBE Deferred \_\_\_\_\_ Selection Factor \_\_\_\_\_

 11/29/06  12/13/06  
Chairperson, Review Committee Date County Manager Date

PROJECT	PHASE	B / P	ACTUAL FY 01-04	ACTUAL FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	TOTAL
CPEPTP1000GN	Illuminated Signs	B	-	97	161	1,000	1,000	155	155	155	155	155	2,222
CPEPTP1000SF	Vehicle Loop Detectors	P	-	600	600	500	500	500	500	500	500	500	1,200
CPEPTP1000SW	Pavement Markings (Re-stripe)	P	178	1,868	1,855	2,895	3,855	2,855	2,855	2,855	2,855	2,855	4,500
CPEPTP1000AD (01-13)	Resurfacing, Sidewalks, and Drainage on Arterial Roads	B	-	282	282	1,500	1,500	1,500	1,500	1,188	1,188	1,188	2,000
CPEPTP1000AQ (01-13)	A.D.A. Sidewalk Improvements	B	48	1,280	1,280	1,000	882	1,500	1,500	1,188	1,188	1,188	2,400
CPEPTP1000LQ	Street Light Retrofits	B	48	1,280	1,000	1,000	882	1,500	1,500	1,188	1,188	1,188	2,400
CPEPTP1000AM	Administrative Cost	B	-	93	17	1,500	1,500	390	390	-	-	-	3,500
CPEPTP1000AM	Personnel (cross index)	P	208	254	330	350	375	400	420	440	470	500	3,833
CPEPTP1000AM	Personnel (cross index)	P	205	(205)	100	100	100	150	150	500	900	225	1,922
CPEPTP1000AM	Other	P	1	5	5	5	5	5	5	5	5	5	4
CPEPTP1000AM	Personnel	B	502	49	435	455	480	555	575	945	1,075	725	3,800
CPEPTP1000AM	Computer Equipment	B	603	(274)	390	430	470	520	560	640	750	800	4,900
CPEPTP1000AM	Furniture/workstations	B	27	17	30	50	70	70	70	70	60	60	520
CPEPTP1000AM	Other	B	16	27	20	20	20	20	20	20	20	24	200
CPEPTP1000AM	Resurfacing	B	10	80	80	110	120	130	140	150	160	175	1,110
CPEPTP1000AM	Guardrail	B	558	(205)	530	610	680	740	810	880	950	1,058	6,784
CPEPTP1000AM	Sidewalk	B	305	969	3,000	3,000	4,000	4,000	4,000	4,000	4,500	4,500	32,274
CPEPTP1000AM	Traffic Signals	B	5	18	500	500	700	800	900	1,100	1,300	1,317	7,238
CPEPTP1000AM	Drainage	B	20	187	500	700	1,000	1,300	1,600	1,900	2,200	2,500	11,957
CPEPTP1000AM	Intersections & Neigh. Improv.	B	13	611	700	1,000	1,400	1,800	2,000	2,200	2,500	3,072	15,100
CPEPTP1000AM	Street Lights	B	24	273	700	900	1,000	1,200	1,300	1,400	1,500	1,519	9,800
CPEPTP1000AM	Traffic Calming	B	7	198	400	500	600	700	800	900	1,000	1,000	5,946
CPEPTP1000AM	Road Widening	B	77	77	500	500	500	500	500	500	500	500	4,077
CPEPTP1000AM	Pavement (to correct wrong chg)	B	4	4	50	100	100	100	100	100	100	100	752
CPEPTP1000AM	Design	B	374	2,235	6,355	7,240	9,540	10,940	11,840	12,800	14,400	16,701	81,425
CPEPTP1000AM	Construction	B	-	25	5,000	20,000	13,000	10,000	-	-	-	-	48,000
CPEPTP1000AM	NW 72 Ave and NW 38 St	B	-	25	5,000	20,000	13,000	10,000	-	-	-	-	48,000
CPEPTP1000AM	SW 8 St and SW 87 Ave	B	-	-	-	16,000	-	-	-	-	-	-	16,000
CPEPTP1000AM	SW 8 St and SW 107 Ave	B	-	-	-	-	-	18,000	-	-	-	-	18,000
CPEPTP1000AM	SW 88 St and SW 127 Ave	B	-	-	-	-	-	-	-	-	20,000	-	20,000
CPEPTP1000AM	SW 152 St and SW 117 Ave	B	-	-	-	-	-	-	-	-	-	22,000	22,000
CPEPTP1000AM	US-1 and SW 27 Ave	B	-	-	-	-	-	-	-	-	40,000	22,000	112,000
CPEPTP1000AM	NW 7 Ave (NW 6 - 118 St)	B	-	-	-	32,000	-	19,000	-	-	-	-	51,000
CPEPTP1000AM	Pleiger St	B	-	-	-	1,000	500	1,500	13,500	-	-	-	16,000
CPEPTP1000AM	NW 199 St	B	-	-	-	6,000	1,000	500	-	-	-	-	8,000
CPEPTP1000AM	Construction	B	71	613	500	3,500	3,500	3,018	14,000	13,500	-	-	38,000
CPEPTP1000AM	SUBTOTAL PAY AS YOU GO	B	71	613	500	3,500	3,500	3,018	14,000	13,500	-	-	38,000
CPEPTP1000AM	SUBTOTAL BOND	B	810	810	810	760	785	1,460	1,460	1,850	1,850	1,850	11,200
CPEPTP1000AM	2% FINANCE BOND COST	B	3,434	14,828	20,880	152,013	166,848	148,255	61,755	45,018	92,403	48,284	381,533
CPEPTP1000AM	TOTAL BOND	B	-	-	878	3,060	3,318	2,925	1,318	900	1,348	988	14,972
CPEPTP1000AM	TOTAL WITHOUT FINANCE CHARGE	B	3,844	15,478	30,438	155,773	167,731	149,180	63,073	45,918	94,356	50,270	396,465

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AY AS YOU GO

LL PROJECTS IN FY03-04 AND FY04-05 WERE REIMBURSED AS PAY AS YOU GO BECAUSE OF CASH AVAILABILITY

NOTE: In order to maintain the expedited schedule and the aggressive work plan, it may become necessary to obtain the services of consultants to assist in the management of the projects.

27 103,827,800

**PUBLIC WORKS**  
**People's Transportation Plan**  
**(Fund 390)**

<u>Revenues:</u>	<u>Prior Years</u>	<u>FY 2006-07</u>	<u>Future Years</u>	<u>Total</u>
People's Transportation Plan Bond Proceeds	\$35,750,000	\$104,468,000	\$356,040,000	\$496,258,000
Florida Department of Transportation	8,630,000	0	2,500,000	11,130,000
Municipal Contributions	0	0	1,000,000	1,000,000
<b>Total</b>	<b>\$44,380,000</b>	<b>\$104,468,000</b>	<b>\$359,540,000</b>	<b>\$508,388,000</b>
<u>Expenditures:</u>				
ADA Sidewalk Improvements	\$2,308,000	\$1,000,000	\$692,000	\$4,000,000
Access to Countrywalk	368,000	267,000	0	635,000
Construct NW 138 Street Bridge At Miami River Canal	280,000	2,300,000	3,810,000	6,390,000
Grade Separation and Reversible Flow Lane Projects	0	16,000,000	14,000,000	30,000,000
Arterial Road Improvements	262,000	1,500,000	5,688,000	7,450,000
Improvements to South Bayshore Drive, Darwin to Mercy	14,000	410,000	0	424,000
Neighborhood Improvements	8,964,000	7,240,000	68,885,000	85,089,000
District One Resurfacing and Marking	4,988,000	392,000	0	5,380,000
Road Improvements - Major Roads:				
SW 157 Avenue - SW 120 Street to SW 112 Street	420,000	1,200,000	3,596,000	5,216,000
SW 157 Avenue - SW 136 Street to SW 120 Street	96,000	429,000	6,991,000	7,516,000
SW 157 Avenue - SW 184 ST to SW 152 Street	0	513,000	9,750,000	10,263,000
NE 2 Avenue Improvements - NE 20 Street to NE 36 Street	5,000	1,945,000	3,185,000	5,135,000
NE 2 Avenue Improvements - NE 36 Street to NE 43 Street	5,000	1,700,000	2,702,000	4,407,000
NE 2 Avenue Improvements - NE 43 Street to NE 62 Street	5,000	2,300,000	9,564,000	11,869,000
NE 2 Avenue Improvements - NE 62 Street to West Little River Canal	13,000	2,000,000	4,396,000	6,409,000
NE 2 Avenue Improvements - West Little River Canal to NE 91 Street	300,000	1,975,000	3,160,000	5,435,000
NW 7 Street Improvement - NW 72 Avenue to NW 37 Avenue	155,000	900,000	725,000	1,780,000
South Miami Avenue Improvements - 25 Rd to 15 Rd	340,000	500,000	0	840,000
SW 176 Street Improvements - US 1 to SW 107 Avenue	90,000	264,000	5,500,000	5,854,000
SW 180 Street Improvements - SW 147 Avenue to SW 137 Avenue	87,000	127,000	5,500,000	5,714,000
SW 216 Street Improvements - HEFT to SW 127 Avenue	114,000	490,000	5,500,000	6,104,000
SW 264 Street Improvements - US 1 to SW 137 Avenue	128,000	182,000	5,000,000	5,310,000
SW 62 Avenue - SW 24 Street to NW 7 Street	400,000	3,000,000	7,049,000	10,449,000
SW 72 Avenue SW 40 Street to SW 20 Street	144,000	400,000	625,000	1,169,000
Reconstruct SW 62 Avenue - SW 70 Street to SW 64 Street	180,000	1,165,000	1,864,000	3,209,000
District 2 Rights-Of-Way Acquisition	0	1,000,000	4,600,000	5,600,000
District 4 Rights-Of-Way Acquisition	0	0	924,000	924,000
District 7 Rights-Of-Way Acquisition	37,000	700,000	6,000,000	6,737,000
District 8 Rights-Of-Way Acquisition	17,000	0	5,222,000	5,239,000
District 9 Rights-Of-Way Acquisition	0	505,000	2,536,000	3,041,000
District 10 Rights-Of-Way Acquisition	1,592,000	1,250,000	0	2,842,000
District 11 Rights-Of-Way Acquisition	595,000	500,000	1,013,000	2,108,000
District 12 Rights-Of-Way Acquisition	2,555,000	2,000,000	21,500,000	26,055,000
District 13 Rights-Of-Way Acquisition	0	1,100,000	0	1,100,000
Widen NW 37 Avenue - N. River Drive to NW 79 Street	231,000	819,000	11,087,000	12,137,000
Widen NW 62 Avenue From NW 138 Street to NW 105 Street	700,000	0	0	700,000
Widen NW 74 Street - HEFT to SR 826	1,500,000	12,700,000	18,000,000	32,200,000
Widen NW 87 Avenue from NW 186 Street to NW 154 Street	136,000	504,000	10,861,000	11,501,000
Widen SW 120 Street from SW 137 Avenue to SW 117 Avenue	12,000	100,000	5,500,000	5,612,000
Widen SW 127 Avenue from SW 120 Street to SW 88 Street	5,000	5,000,000	5,600,000	10,605,000
Widen SW 136 Street from SW 127 Avenue to SR 874	0	0	6,300,000	6,300,000
Widen SW 136 from SW 149 Avenue to SW 139 Court	124,000	330,000	5,200,000	5,654,000
SW 137 Avenue from HEFT to US 1	13,000	0	8,870,000	8,883,000
SW 137 Avenue from US 1 to SW 184 Street	15,000	0	16,790,000	16,805,000
Widen SW 160 Street from SW 147 Avenue to SW 137 Avenue	370,000	3,000,000	4,800,000	8,170,000
Widen SW 27 Ave from US 1 to Bayshore	107,000	348,000	3,750,000	4,205,000
Widen SW 87 Ave from SW 216 Street to SW 168 Street	12,000	0	12,592,000	12,604,000
Widen SW 97 Ave from SW 56 Street to SW 40 Street	6,000	4,000,000	1,734,000	5,740,000
Widen SW 97 Avenue from SW 72 Street to SW 56 Street	30,000	4,000,000	1,710,000	5,740,000
Widen W 60 Street from W 12 Avenue to W 4 Avenue	0	413,000	1,838,000	2,251,000
Advanced Traffic Management System	10,105,000	10,500,000	20,525,000	41,130,000
Illuminated Street Signs	258,000	1,000,000	4,500,000	5,758,000
School Flashing Signals	1,184,000	3,500,000	6,516,000	11,200,000
Streetlight Retrofit	110,000	1,500,000	1,890,000	3,500,000
Traffic Control Center	5,000,000	1,500,000	1,500,000	8,000,000
	<b>\$44,380,000</b>	<b>\$104,468,000</b>	<b>\$359,540,000</b>	<b>\$508,388,000</b>

**BUDGET PROJECT 604540**

Project Title: 604540-GRADE SEPARATIONS

Project Desc: Conduct feasibility study for grade separations at various intersections

Project \$\$	<u>Start:</u>	<u>End:</u>	<u>05-06:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>Total:</u>
(\$\$ in 000's)	<u>3/6/2004</u>	<u>3/5/2005</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>25,590</u>

Project Type: PTP

**CDPWeb Project Milestones (\$ IN 000'S)**

<u>Milestone:</u>	<u>Start:</u>	<u>End:</u>	<u>05-06:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>Total:</u>
Planning/Design	N/A	N/A	0	0	0	0	25,590

**CDPWeb Project Revenue (\$ IN 000'S)**

<u>Revenue:</u>	<u>Start:</u>	<u>End:</u>	<u>05-06:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>Total:</u>
People's Transportati	N/A	N/A	0	0	0	0	25,590

EXIT

SITES

**Current Contracts for Project 604540**

<u>Dept</u>	<u>ContractNo</u>	<u>Contract Name</u>	<u>RTA Budget Allocation</u>	<u>Award Budget Allocation</u>	<u>CIIS Award</u>
PW	20060314	PTP Reversible Lane Control Si	\$3,072,000.00	\$0.00	\$0.00

Jean-Bernard Philippeaux

Subject: Project No. 20060314, NW 199th Street from NW 2nd Avenue to NW 27th Avenue

Project Cost Estimate - 20060314 (Reversible Lane Control Signal System Improvement)

Item No	Description	Unit	Quantity	Unit Price	Projected item Amount	\$
102-61	Business Signs (Temporary, Post Mounted)	EA	3.00	250.00	750.00	
551-1	Directional Bore (Less than 6") (Two 2" Conduits)	SY	13,770.00	16.87	232,299.90	
620-1-1	Grounding Electrode (F & I)	LF	1,610.00	20.38	32,811.80	
630-1-11	Above Ground PVC Conduit (2") (Furnish & Install)	LF	455.00	20.05	9,122.75	
630-1-12	Underground PVC Conduit (2") (Furnish & Install)	LF	505.00	20.42	10,312.10	
630-1-13	Under Pavement PVC Conduit, (2") (Furnish & Install)	LF	1,345.00	35.36	47,559.20	
632-7-1	Cable (Signal) (Furnish & Install)	PI	22.00	6,637.69	146,029.18	
635-1-11	Pull Box, Meter Type - (Polymer)	EA	18.00	750.00	13,500.00	
639-1-13B	Electrical Power Service (Overhead)	AS	14.00	1,248.00	17,472.00	
639-1-23A	Electrical Power Service (Underground)	AS	10.00	1,000.00	10,000.00	
639-2-1C	Electrical Service Wire	LF	12,510.00	5.00	62,550.00	
641-12-112	Concrete Pole (F&I) (12" Type N-III) (Service Pole)	EA	10.00	1,000.00	10,000.00	
650-51-113	Signal Traffic (F&I) (1SECT) (1 WAY) (LED)	LF	8.00	561.00	4,488.00	
671-2-22	Traffic Controller (Furnish) (Model 170)	EA	2.00	4,000.00	8,000.00	
671-2-42	Traffic Controller (Modify) (170)	EA	1.00	3,000.00	3,000.00	
672-1-1A	RLCS Field Local Controller Assembly - Type MD-660 (F & I)	AS	10.00	15,000.00	150,000.00	
672-1-1B	RLCS Field Local Controller Assembly - Type MD-552 (F & I)	AS	13.00	14,000.00	182,000.00	
672-1-2A	RLCS Field Local Controller Assembly - Type MD-660 (F)	AS	1.00	10,000.00	10,000.00	
679-01	RLCS Portable Field Terminal and Analysis Unit (Terminal)	EA	2.00	2,000.00	4,000.00	
679-02	RLCS Portable Terminal and Analysis Unit (Analysis) Platform	EA	1.00	17,500.00	17,500.00	
681-01	RLC Central Control Software	EA	1.00	100,000.00	100,000.00	
690-10	Remove Traffic Signal Head Assembly	EA	330.00	230.62	76,104.60	
690-50	Remove Controller Assembly	EA	23.00	1,476.38	33,956.74	
690-90	Remove Conduit & Cabling	PI	23.00	870.00	20,010.00	
690-91	Signal Interconnect Cable, Remove	LF	12,865.00	1.00	12,865.00	
690-100	Remove Miscellaneous Signal Equipment	PI	22.00	2,091.66	46,016.52	
690-200	Pull Box Removal	EA	6.00	200.00	1,200.00	

700-40-1-S	Sign, Single Post (Less Than 12)	AS	11.00	350.00	3,850.00
700-46-11A	Remove Existing Single Post Sign	AS	11.00	30.00	330.00
700-46-13	Sign, Existing (Remove) (Overhead Truss)	AS	4.00	800.00	3,200.00
700-48-12	Sign Panels (F&I) (101 - 200)	EA	4.00	1,200.00	4,800.00
700-48-18	Sign Panels (F&I) (Less Than 15 SF.)	EA	6.00	350.00	2,100.00
700-48-60B[1]	Removal Sign Panel	EA	6.00	100.00	600.00
700-89-2	Sign, Electric Powered (Blank Out)	AS	29.00	2,500.00	72,500.00
700-89-11A	Sign, Electric Power, Type A	AS	196.00	3,500.00	686,000.00
700-89-11B	Sign, Electric Powered (Special), Type B	AS	76.00	4,000.00	304,000.00
711-17	Thermoplastic, Remove	SF	2,309.00	1.25	2,886.25
711-11-241	Thermoplastic, Standard, Yellow, Skip 6"	LF	1,640.00	0.60	984.00
750-80	Telephone Service	LS	2.00	1,000.00	2,000.00
782-1-11	ITS CCTV Camera (F&I) (Dome Enclosure)	EA	6.00	2,800.00	16,800.00
782-1-15	ITS CCTV Camera (F&I) (Camera Bracket Assembly)	EA	6.00	2,000.00	12,000.00
782-1-21	ITS CCTV Camera (F) (Dome Enclosure)	EA	1.00	2,000.00	2,000.00
783-1-121	Single Mode Fiber Optic Cable, 12 Strand, (F & I)	LF	550.00	4.00	2,200.00
783-1-122	Single Mode Fiber Optic Cable, 36 Strand, (F & I)	LF	14,055.00	5.00	70,275.00
782-2-131	ITS Video Display (F & I) (Monitor) (LCD)	EA	3.00	4,000.00	12,000.00
783-2-31	ITS Fiber Optic Connection (I) (Splice) (fusion)	EA	94.00	30.00	2,820.00
783-2-32	ITS Fiber Optic Connection (I) (Termination)	EA	23.00	500.00	11,500.00
783-3-11	ITS Fiber Optic Connection Hardware (F & I) (Splice Closure)	EA	23.00	700.00	16,100.00
783-3-21	ITS Fiber Optic Connection Hardware (F) (Splice Closure)	EA	1.00	500.00	500.00
783-5-1	ITS Pull Box (24" x 36")	EA	9.00	800.00	7,200.00
783-6-1	ITS Splice Box (24" x 36")	EA	23.00	800.00	18,400.00
784-1-1	ITS Managed Field Ethernet Switch (Layer 2 Switch) (F & I)	EA	23.00	2,700.00	62,100.00
784-1-1-A	ITS Hardened Ethernet Router (Layer 3 Switch) (Switch) (F & I)	EA	3.00	3,500.00	10,500.00
784-1-2	ITS Managed Field Ethernet Switch (Layer 2 Switch) (F)	EA	2.00	2,000.00	4,000.00
784-1-2-A	ITS Hardened Ethernet Router (Layer 3 Switch) (Switch) (F)	EA	1.00	2,700.00	2,700.00
784-3-11	ITS Video Encoder With Software Decoder (F & I) (Hardened)	EA	6.00	4,500.00	27,000.00
784-3-21	ITS Video Encoder With Software Decoder (F) (Hardened Encoder)	EA	1.00	3,000.00	3,000.00
784-4-11	ITS Digital Video Decoder (F & I) (Hardware-Based Decoder)	EA	6.00	3,000.00	18,000.00
784-4-21	ITS Digital Video Decoder (F) (Hardware-Based Decoder)	EA	1.00	2,500.00	2,500.00

	<b>Subtotal</b>				<b>2,646,393.04</b>
	<b>I.G.</b>				<b>6,615.98</b>
	<b>Total Base</b>				<b>2,653,009.02</b>
<b>999-02</b>	Contingency Allowance	LS	10% of Base	2,653,009.02	265,300.90
<b>102-10A</b>	Off Duty Law Enforcement Officer	LS	1.00	24,000.00	24,000.00
<b>101-1</b>	Mobilization	LS	1.00	70,992.00	70,992.00
<b>102-1W</b>	Maintenance of Traffic	W.O.	2% of Sub	2,653,009.02	53,060.18
<b>800-6</b>	FPL Allowance	LS	10.00	148.00	1,480.00
<b>990</b>	Allowance-Permits	LS	1.00	4,000.00	4,000.00
			<b>TOTAL</b>		<b>\$3,071,842.10</b>

**Cabrera, Lisset (PWD)**

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**From:** Philippeaux, Jean Bernard (PWD)  
**Sent:** Thursday, October 26, 2006 2:52 PM  
**To:** McMillian, Rodney (PWD); Cabrera, Lisset (PWD)  
**Cc:** Moore, Michael J. (PWD); Philippeaux, Jean Bernard (PWD)  
**Subject:** Project # 20060314

Good Afternoon All,

Attach is the engineer Estimate above and the scope of work as shown below for project number 20060314, Reversible Lane Control Signal System improvement.

### **SCOPE OF WORK**

The Contractor shall execute the **Reversible Lane Control System Improvement Contract**, which consists of the equipment at or near the 22 gantries along NW 199<sup>th</sup> Street from NW 27<sup>th</sup> Avenue to NW 2<sup>nd</sup> Avenue in Miami-Dade County. The equipment necessary to operate the Reversible Lane Control System from the Miami-Dade Traffic Control Center (TCC) are located at 7100 NW 36<sup>th</sup> Street.

The Contractor shall furnish all labor, materials, equipment, tools, transportation, supplies, integration, testing, documentation, and training required to complete the work in accordance with the plans, specifications and technical provisions.

The Contractor shall remove and replace the existing RLCS signals and signs, wiring, and control equipment at each gantry, install new LED Lane Control Signals and install new Blank-out Message Signs, including installing new controller assemblies with County-specified firmware and new central control equipment with County-specified software.

The Contractor shall install communications equipment and cable as described within these special provisions and project plan sheets. The Contractor shall configure, integrate and test the equipment to provide a fully functional RLCS. The new RLCS shall be compliant in equipment and operation with requirements for lane control and traffic devices as specified within the 2003 MUTCD and other governing documents.

Thank you,

**Jean-Bernard Philippeaux, Engineer II**  
**Contracts and Specifications**  
**Public Works Department**  
111 N.W. 1 Street, 15th Floor  
Phone:(305) 375-2930 Ex. 8621  
Fax:(305) 375-2931  
miamdade.gov  
*"Delivering Excellence Every Day"*

11/7/2006

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